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U.S. Department of Commerce, Patent and Trademark Office				Attorney Docket No.: 004-9158		
				Application No.: 10 840167 Not Yet Assigned		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s): Nicolai Kosche et al.		
(Use several sheets if necessary)				Filing Date: Herewith		
				Group Art Unit: Not Yet Assigned 2191		
				Date Submitted: May 6, 2004		
U.S. Patent Documents						
*Examiner Initial		Document Number	Date	Name		
MS	AA	6,427,235	07-30-2002	Kosche et al.		
	AB	6,564,297	05-13-2003	Kosche, Nicolai		
	AC	6,000,044	12-07-1999	Chrysos et al.		
MS	AD	US 2003-0101443 A1	05-29-2003	Kosche et al.		
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
Foreign Patent Documents						
					Translation	
		Document	Date	Country	Yes	No
	AL					
	AM					
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
MS	AN	ANDERSON, J., ET AL., "Transparent, Low-Overhead Profiling on Modern Processors," Proceedings of the Workshop on Profile and Feedback-Directed Compilation in conjunction with International Conf. on Parallel Architectures and Compilation Techniques (PACT98), Paris, France, Oct. 13, 1998, pp. 1-3.				
MS	AO	CPI: Continuous Profiling Infrastructure, "DIGITAL Continuous Profiling Infrastructure," 1996 OSDI Symposium, [online] [Retrieved from the Internet April 26, 2004], <http://h30097.www3.hp.com/dcp/osi96-wip.html>, 2 pages.				
MS	AP	ANDERSON, J., ET AL., "Continuous Profiling: Where Have All the Cycles Gone?," ACM Transactions on Computer Systems, Vol. 15, No. 4, November 1997, pp. 357-390.				
MS	AQ	DEAN, J., ET AL., "ProfileMe: Hardware Support for Instruction-Level on Out-of-Order Processors," 1997 IEEE published in the Proceedings of Micro-30, December 1-3, 1997, Research Triangle Park, NC, 12 pages.				
Examiner		Date Considered				
M. Steinhilber		10.02.2007				
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>						

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37/08A (Substitute for form 1449/PTO)		Attorney Docket No.: 004-9158
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application No.: 10/840,167
Filing Date: May 6, 2004		First Named Inventor: Nicolai Kosche
Group Art Unit: 2191		Examiner Name: Steelman, Mary J.
Date Submitted: March 14, 2006		Sheet 1 of 5

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
MX	AA	5,526,499	06-11-1996	Bernstein et al.		
	AB	5,948,095	09-07-1999	Arora et al.		
	AC	5,964,867	10-12-1999	Anderson et al.		
	AE	6,092,180	07-18-2000	Anderson et al.		
	AF	6,098,166	08-01-2000	Liebholz et al.		
	AG	6,289,506	09-11-2001	Kwong et al.		
	AH	6,308,261	10-23-2001	Morris et al.		
	AI	6,314,431	11-06-2001	Gornish		
	AJ	6,567,975	05-20-2003	Damron		
	AK	6,574,713	06-03-2003	Kosche et al.		
	AL	6,625,660	09-23-2003	Guthrie et al.		
	AM	6,651,245	11-18-2003	Damron et al.		
	FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
MA	AN	WO 01/44927 A2	06-21-2001	Kosche et al.		
Examiner Signature		M. Steelman		Date Considered	10-02-07	

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¹Applicant's unique citation designation number (optional).

²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.


³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3)

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁶Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (Substitute for form 1449/PTO)	Attorney Docket No.: 004-9158
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	First Named Inventor: Nicolai Kosche
(Continuation Sheet)	Filing Date: May 6, 2004
	Group Art Unit: 2191
	Examiner Name: Steelman, Mary J.
Sheet 4 of 5	Date Submitted: March 14, 2006


NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MX	AA	ALPERN, B. et al., "The Jalapeno Virtual Machine," <i>IBM Systems Journal</i> , Vol. 39, No. 1, 2000, pages 211-238.	
	AB	ANDERSON, Jennifer et al., "Continuous Profiling (It's 10:43; Do You Know Where Your Cycles Are?)," abstract for presentation at HOT Chips 9, Stanford, CA, August 1997, 2 pages, retrieved from the Internet at URL http://h30097.www3.hp.com/dcp/publications.htm .	
	AC	ANDERSON, Jennifer et al., "Instruction-Level Profiling on In-Order and Out-of-Order Processors," DEC presentation by Jeff Dean at Duke University, December 3, 1997, 42 pages, retrieved from the Internet at URL http://h30097.www3.hp.com/dcp/publications.htm .	
	AD	ANDERSON, Jennifer et al., "Continuous Profiling: An Electron Microscope for Your Computer," presentation by Mark Vandevoorde to Silicon Valley summer interns, Palo Alto, CA, August 13, 1999, 18 pages.	
	AE	ARMSTRONG, Eric, "HotSpot: A new breed of virtual machine," <i>Java World</i> , March 1998, 11 pages, retrieved from the Internet at URL http://www.javaworld.com .	
	AF	BERRENDORF, Rudolf and ZIEGLER, Heinz, "PCL - The Performance Counter Library: A Common Interface to Access Hardware Performance Counters on Microprocessors (Version 1.2)," Technical Report FZJ-ZAM-IB-9816, Julich, Germany, October 1998, pages 1-50.	
	AG	BERC, Lance and VANDEVOORDE, Mark, "Hardware Support for Out-of-Order Instruction Profiling on Alpha 21264a," <i>HotChips 11</i> , (Power Point) Stanford, CA, USA, August 17, 1999, 21 pages.	
	AH	BROWNE, Shirley et al., "A Scalable Cross-Platform Infrastructure for Application Performance Tuning Using Hardware Counters," <i>Proceedings of SC2000</i> , Dallas, TX, November 2000, 10 pages.	
	AI	BURROWS, Mike et al., "Efficient and Flexible Value Sampling," <i>Architectural Support for Programming Languages and Operating Systems (ASPLOS-IX)</i> , Nov. 1-3 2000, pages 1-19.	
	AJ	CHILIMBI, Trishul M. et al., "Cache-Conscious Structure Layout," <i>Proceedings of the ACM SIGPLAN '99 Conf. on Programming Language Design and Implementation</i> , May 1999, 12 pages.	
	AK	CHILIMBI, Trishul J., et al., "Cache-Conscious Structure Definition," <i>Proceedings of the ACM SIGPLAN '99 Conf. on Programming Language Design and Implementation</i> , May 1999, 12 pages.	
	AL	DEROSE, Luiz et al., "SIGMA: A Simulator Infrastructure to Guide Memory Analysis," <i>Conf. on High Performance Networking and Computing Proceedings of the 2002 ACM/IEEE Conf. on Supercomputing</i> , Baltimore, MD, 2002, 13 pages.	
	AM	ITZKOWITZ, Marty et al., "Memory Profiling Using Hardware Counters," in <i>Conf. on High Performance Networking and Computing Proceedings of the 2003 ACM/IEEE Conf. on Supercomputing</i> , Phoenix, AZ, November 15-21, 2003, pages 1-12.	
MX	AN	LEBECK, Alvin R., "Cache Conscious Programming in Undergraduate Computer Science," <i>ACM SIGCSE Technical Symposium on Computer Science Education (SIGCSE '99), Proceedings of the 30th SIGCSE Tech Symposium on Comp. Sci. Edu.</i> , New Orleans, LA, USA, March 24-28, 1999, 5 pages.	
Examiner Signature			Date Considered 12.10.2007

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
M/K	AA	LIPASTI, Mikko H. et al., "SPAIID: Software Prefetching in Pointer- and Call-Intensive Environments," <i>Micro 28 Proceedings of the 28th Annual International Symposium on Microarchitecture</i> , Nov. 29-Dec. 1, 1995, Ann Arbor, MI, 6 pages.	
	AB	LUK, Chi-Keung and MOWRY, Todd, "Compiler-Based Prefetching for Recursive Data Structures," <i>APLOS-VII, Proceedings of the Seventh International Conf. on Architectural Support for Programming Languages and Operating Systems</i> , Cambridge, MA, Oct. 1-5, 1996, 12 pages.	
	AC	MARTONOSI, Margaret et al., "MemSpy: Analyzing Memory System Bottlenecks in Programs," <i>Proceedings of the 1992 ACM SIGMETRICS Joint Int'l. Conf. on Measurement and Modeling of Computer Systems</i> , Newport, RI, USA, June 1-5, 1992, pages 1-12.	
	AD	MOWRY, Todd C. et al., "Design and Evaluation of a Compiler Algorithm for Prefetching," <i>ASPLOS-V, Proceedings of the Fifth International Conf. on Architectural Support for Programming Languages and Operating Systems</i> , Boston, MA, USA, Oct. 12-15, 1992, pages 62-73.	
	AE	RUBIN, Shai et al., "An Efficient Profile-Analysis Framework for Data-Layout Optimizations," <i>Proceedings of the 29th ACM SIGPLAN-SIGACT Symposium on Principles of Programming Languages</i> , Portland, OR USA, Jan. 16-18, 2002, 14 pages.	
	AF	SPRUNT, Brinkley, "The Performance Monitoring Features of the Pentium 4 Processor," <i>IEEE Micro</i> , Vol. 22, No. 4, July 2002, pages 32-42.	
	AG	SRIDHARAN, K., "VTune: Intel's Visual Tuning Environment," <i>Proceedings of USENIX-NT Windows NT Workshop</i> , August 11, 1997, Seattle, CA, USA, retrieved from the Internet at URL http://www.usenix.org/publications/library/proceedings/usenix-nt97/presentations/sridhar.html , 24 pages.	
	AH	"Program Performance Analysis Tools," Sun Microsystems, Inc. Publication 817-0922-10, May 2003, retrieved from the Internet at URL http://docs.sun.com/source/817-0922/ , 244 pages.	
	AI	VENNERS, Bill, "The HotSpot Virtual Machine, How HotSpot Can Improve Java Program Performance and Designs," <i>Artima Developer</i> , May 1998, 7 pages, retrieved from the Internet at URL http://www.artima.com .	
	AJ	WALKER, Kip et al., "Using Interpretation for Profiling the Alpha 21264a," (Power Point) presented at Carnegie Mellon University, October 1999, 29 pages.	
	AK	WEIHL, William E., "Digital Continuous Profiling Infrastructure," June 2004, 3 pages, retrieved from the Internet at URL http://www.research.digital.com/SRC/dcpi.html .	
M/K	AL	"The Java HotSpot Performance Engine Architecture," <i>Digital Forefront Magazine</i> , Winter 1997, pages 27-28, retrieved from the Internet at URL http://java.sun.com/products/whitepaper.html .	
Examiner Signature		Date Considered	12.10.2007